



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

EPA Region 5 Records Ctr.



248295

REPLY TO THE ATTENTION OF:

MAR 28 1995

HSE3-5J

VIA FACSIMILE

Mr. Richard Berggreen  
STS Consultants, Ltd.  
111 Pfingsten Road  
Northbrook, Illinois 60062

RE: **DRAFT** Report for Characterization Investigation Gamma  
Radiation Survey - Lindsay Light II Site, 316 East Illinois  
Street, Chicago, Illinois

Dear Mr. Berggreen:

Below are my comments on the above-referenced report.

Executive Summary

1. PAGE i, 3rd Paragraph, first sentence: What numeric value equates with the phrase "significant elevated gamma readings in a few discrete areas" ?
2. PAGE i, 3rd Paragraph, third sentence: State the numeric value associated with "background".
3. PAGE i, 3rd Paragraph, last sentence: "These areas may be contaminated material spread during demolition of building and subsequent site grading". State if the contamination is either building debris or monazite sand. Initial comments in the summary are that the contamination is due to demolition of the building, however, later in the report monazite sand is theorized to be the origin of the contamination. Also, state the gamma readings that are normal for monazite sand.
4. PAGE ii, 2nd Paragraph: Consistent units need to be used. Throughout this report CPM units have been used except this paragraph and a few other sections in this report use CPS units.
5. PAGE iii, 2nd Paragraph: Delete comparisons to monazite sand and use instead the numbers for background or uncontaminated soil.
6. PAGE iii, 3rd Paragraph: What is the exact scenario used to determine if the levels are "much less than 1 mrem/yr"?



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### 3.1.1 NaI Ludlum Survey

7. PAGE 18, fourth sentence: Why did the Project Subcontractor suggest an alternate background threshold? Explain the reasoning.

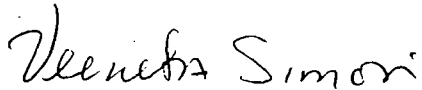
### Appendix D5 - 6 Meter Grid Data

8. Eight survey points were misprinted. These survey points had average count rates greater than the maximum. These points are as follows:

GRID 78E to 84E, 60N to 54N  
GRID 102E to 108E, 54N to 48N  
GRID 102E to 108E, 18N to 12N  
GRID 102E to 108E, 12N to 6N  
GRID 138E to 144E, 18N to 12N  
GRID 162E to 168E, 12N to 6N  
GRID 168E to 174E, 48N to 42N  
GRID 168E to 174E, 42N to 36N

Please send a written response to the following facsimile (815) 433-9924 or if you need to discuss any matter, contact me at (815) 433-9266.

Sincerely,



Verneta Simon  
On-Scene Coordinator

bcc: Larry Jensen, AT-18J  
Jim Mitchell, AT-18J  
Marc Radell, CM-3T  
Debbie Regel, HSES-5J  
Frank Rollins, HSE3-5J